

• New Machines and Gadgets •

⚙️ **INFANT CARRIER** is a canvas form, in which the baby is placed, suspended by a broad strap over the mother's shoulder. The baby sits upright, facing the mother, with his legs projecting through holes in the bottom of the canvas, and his head against her shoulder in the usual carrying position.

Science News Letter, August 25, 1945

⚙️ **MACHINE** running-time is recorded automatically by a new instrument for checking machine operation. It records on a chart both the "on" time and "off" time of production machinery and other similar equipment and also the time of day when these periods occur.

Science News Letter, August 25, 1945

⚙️ **SYNTHETIC** rubber pad, 116 inches long, 50 inches wide, and eight inches thick, is used in hydraulic presses to form heated magnesium sheets for airplane parts. When compressed, the pad transmits the full 5,000-ton pressure of the ram to the sheet, forcing the metal into the desired shape.

Science News Letter, August 25, 1945

⚙️ **SPECIAL GAUGE**, to measure the stack gases given off by new oil burners, give direct readings indicating the hazard involved. Transparent plastic cases over the vertical and horizontal scales, shown



in the picture, help preserve them under corrosive conditions.

Science News Letter, August 25, 1945

⚙️ **FLAME DETECTORS**, placed at danger points inside the engine compartment in buses, flash red lights in front of the driver instantly on the outbreak of a fire. The driver then operates a fire

handle near his seat and releases a flood of compressed carbon dioxide gas into the compartment, thus choking the fire.

Science News Letter, August 25, 1945

⚙️ **PORTABLE** electric heater has two sheet metal cylindrical upright housings, one centered within the other with air space between them, a gas-filled tungsten-filament radiant heat lamp, and a small electric fan to force air movement. The fan is at the bottom; the lamp is in the inner housing.

Science News Letter, August 25, 1945

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Question Box

CHEMISTRY

How are permanent waves achieved? p. 121.
How can cream be kept fresh for a year? p. 126.

What laboratory method was used in working on the atomic bomb? p. 124.

ELECTRONICS

How does radar assure safe landings? p. 127.

How many watts does the small tube used in radar produce? p. 115.

ENGINEERING

How should vegetables be shipped to keep their freshness? p. 118.

What was the problem in "canning" uranium slugs? p. 120.

GENERAL SCIENCE

What plan is set forth to meet the urgent need of trained scientists? p. 122.

MEDICINE

How is hepatitis spread? p. 116.

PHYSICS

What is the force of the atomic bomb due to? p. 119.

What was known about the atom a half century ago? p. 118.

PUBLIC HEALTH

How great has been the cut in childbirth mortality? p. 117.

What is the new polio weapon? p. 114.

RADIO

How could television from the sky be accomplished? p. 121.

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